

MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

As Required by the Provisions of the A.S.M.E. Code Rules

1. Manufactured by **AMERICAN CAR AND FOUNDRY COMPANY, MILTON, PA.**
2. Manufactured for **Stacey-Dresser Engineering, 1900 Superior Ave. Cleveland**
(Name and address of the purchaser) **OHIO**
3. Type **Horizontal** Unfired Pressure Vessel No. **ST-494-115** **NB 32/2** Year built **1947**
(Horizontal or Vertical) (Refers: Serial or A.S.M.E. No.) (State and State No.)
4. Have mill test reports been checked on all the plates entering this unfired pressure vessel **Yes**

Do the chemical and physical properties of all plates meet the requirements of the Code **Yes**

5. SHELL or DRUMS: No. **1** Diameter **8 ft 7 in** Length over all **70 ft 10 in** Height **ft in**
(or width)
6. STAMPS on shell plates **SA-212 Grade "B" Firebox 70000** Rivets, stays and braces
(Brand and lowest tensile strength)
7. SHELL PLATES **15/16** in. Butt straps **in** Style of seams: **Longitudinal FW U69** Girth **U59**
(Outer) (Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Type of)
8. Diameter of rivet holes **in** Pitch of rivets **X X** Efficiency of joint **80**
9. GIRTH JOINTS **Diameter rivet holes in** Pitch of rivets **in** No. of courses **8**
(Single or double riveted) **8' 3-1/8"**
10. INNER SHELL **in** Style of seams: **Longitudinal** Girth **in** Length of section of course **ft in**
(Thickness) (Riveted, Forge Welded, Brazed or Fusion Welded—Type of)
11. HEADS: Flat or dished **3/4** in. Radius of dish **D/4 Ell** **Concave**
(Thickness) (Concave or convex)

If removable, bolts used **or method of fastening**

STAYS	No.	Size	Net Area	Welded or Bolted	Stays to be Attached	Stays to be Attached
(a) F. H.						
(b) R. H.						
(c) Through						
(d) Diagonal and Gusset Stays						

12. STAYBOLTS **If hollow** **Size of Hole** 14. Maximum pitch **X** Diameter **in**
(Iron or Steel) (Over the threads)
15. SAFETY VALVE outlets: No. **2** Size **4-1/16**
16. FUSIBLE PLUG (if used): No. **1** Diameter and material of filling **Location**
17. OUTLETS: No. **1** Sizes **1 1/4** Material of nozzle or reinforcement **Steel** How attached **Weld**
1 **3/4** **2 - 1 1/2" and 3 - 1" tapped openings**
in manway cover.
18. DRAIN connection **1 - 3** in. Handholes or Sight Holes **(Number, size and location)**
19. MANHOLES: **1** **20" top end of tank** Reinforcement **35 1/2 x 15/16 x 21 1/2 welded**
(Number) (Size and location of each) (Riveted, welded, etc.)
20. Method of supporting vessel **Customer to furnish**
21. Barring pressure **1008** lb. per sq. in. Hydrostatic test **300 and 400** lb.
22. Constructed for pressure of **200** lb. per sq. in. Maximum stress in shell plate **11107** lb. per sq. in.

Remarks **Vessel fabricated and intended for service as an unfired**

Pressure Vessel under Par. U-69 (Propane Storage).

We certify the above data to be correct and that all details of material and construction and workmanship on this unfired pressure vessel conform to the A.S.M.E. Code for Unfired Pressure Vessels.

Signed: **AMERICAN CAR AND FOUNDRY COMPANY**

Date **AUG 28 1947**

By **A. J. Kiedman**

FORM 1911 MIMED. BOND

AUTHORIZATION No. 677 EXPIRES DEC. 31, 1949

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number HSE 1856

Vessel made by **AMERICAN CAR AND FOUNDRY COMPANY, MILTON, PA.**

I, the undersigned, holding a certificate of competency as an inspector of steam boilers in **THE STATE OF PENNSYLVANIA**, and employed by the **Hartford Steam Boiler Inspection and Insurance Co. of Hartford, Conn.**,

inspected internally and externally, the vessel specified in this report, on AUG 28 1947 19____, and certify that the statements made on this report are correct, corresponding with the mill test reports of material as furnished by the builders, and measurements made of the vessel when completed; and that this vessel is constructed in accordance with the A.S.M.E. Code Rules for the Construction of Unfired Pressure Vessels.

Sam E. Tracy

NS 1266
Inspector for State or Boiler Insurance Company